



## SEQUENCE LISTING

&lt;110&gt; Amgen Inc.

&lt;120&gt; Truncated Glial Cell Line-Derived Neurotrophic Factor

&lt;130&gt; A-357C

&lt;140&gt; 09/687,993

&lt;141&gt; 2000-10-13

&lt;150&gt; 08/535,681

&lt;151&gt; 1995-09-28

&lt;160&gt; 51

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(402)

&lt;223&gt;

&lt;400&gt; 1

tca	cca	gat	aaa	caa	atg	gca	gtg	ctt	cct	aga	aga	gag	cgg	aat	cgg		
Ser	Pro	Asp	Lys	Gln	Met	Ala	Val	Leu	Pro	Arg	Arg	Glu	Arg	Asn	Arg		
1				5					10					15			

48

cag	gct	gca	gct	gcc	aac	cca	gag	aat	tcc	aga	gga	aaa	ggt	cgg	aga		
Gln	Ala	Ala	Ala	Ala	Asn	Pro	Glu	Asn	Ser	Arg	Gly	Lys	Gly	Arg	Arg		
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96

B<sup>2</sup>

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ggc cag agg ggc aaa aac cgg ggt tgt gtc tta act gca ata cat tta      144
Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu
      35                                40                                45

aat gtc act gac ttg ggt ctg ggc tat gaa acc aag gag gaa ctg att      192
Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile
      50                                55                                60

ttt agg tac tgc agc ggc tct tgc gat gca gct gag aca acg tac gac      240
Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp
      65                                70                                75

aaa ata ttg aaa aac tta tcc aga aat aga agg ctg gtg act gac aaa      288
Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Thr Asp Lys
      85                                90                                95

gta ggg cag gca tgt tgc aga ccc atc gcc ttt gat gat gac ctg tcg      336
Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser
      100                               105                               110

ttt tta gat gat aac ctg gtt tac cat att cta aga aag cat tcc gct      384
Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala
      115                               120                               125

aaa agg tgt gga tgt atc
Lys Arg Cys Gly Cys Ile
      130

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&lt;210&gt; 2

&lt;211&gt; 134

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

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Ser Pro Asp Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg
1      5      10      15

Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg
      20      25      30

Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu
      35      40      45

Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile
      50      55      60

Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp
65      70      75      80

Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Thr Asp Lys
      85      90      95

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Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser  
100 105 110

Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala  
115 120 125

Lys Arg Cys Gly Cys Ile  
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<210> 3

<211> 4

<212> PRT

<213> Homo sapiens

<400> 3

Lys Asn Arg Gly  
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<210> 4

<211> 5

<212> PRT

<213> Homo sapiens

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Gly Lys Asn Arg Gly  
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<210> 5

<211> 6

<212> PRT

<213> Homo sapiens

<400> 5

Arg Gly Lys Asn Arg Gly  
1 5

<210> 6

<211> 7

<212> PRT

<213> Homo sapiens

<400> 6

Gln Arg Gly Lys Asn Arg Gly  
1 5

<210> 7

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<400> 7

Gly Gln Arg Gly Lys Asn Arg Gly  
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<213> Homo sapiens

<400> 8

Arg Gly Gln Arg Gly Lys Asn Arg Gly  
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<210> 9

<211> 10

<212> PRT

<213> Homo sapiens

<400> 9

Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
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<211> 11

<212> PRT

<213> Homo sapiens

<400> 10

Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
1 5 10

<210> 11

<211> 12

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<213> Homo sapiens

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Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
1 5 10

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Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
1 5 10

<210> 13

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<400> 13

Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
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Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
1 5 10 15

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<211> 16

<212> PRT

<213> Homo sapiens

<400> 15

Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
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<210> 16

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<213> Homo sapiens

<400> 16

Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg  
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Gly

<210> 17

<211> 18

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<213> Homo sapiens

<400> 17

Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn  
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Arg Gly

<210> 18

<211> 19

<212> PRT

<213> Homo sapiens

<400> 18

Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys  
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Asn Arg Gly

<210> 19

<211> 20

<212> PRT

<213> Homo sapiens

<400> 19

Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly  
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Lys Asn Arg Gly  
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<210> 20

<211> 21

<212> PRT

<213> Homo sapiens

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Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg  
1 5 10 15

Gly Lys Asn Arg Gly  
20

<210> 21

<211> 22

<212> PRT

<213> Homo sapiens

<400> 21

Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln  
1 5 10 15

Arg Gly Lys Asn Arg Gly  
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<210> 22

<211> 23

<212> PRT

<213> Homo sapiens

<400> 22

Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly  
1 5 10 15

Gln Arg Gly Lys Asn Arg Gly  
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<210> 23

<211> 24

<212> PRT

<213> Homo sapiens

<400> 23

Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg  
1 5 10 15

Gly Gln Arg Gly Lys Asn Arg Gly  
20

<210> 24



<211> 25

<212> PRT

<213> Homo sapiens

<400> 24

Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg  
1 5 10 15

Arg Gly Gln Arg Gly Lys Asn Arg Gly  
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<210> 25

<211> 26

<212> PRT

<213> Homo sapiens

<400> 25

Asn Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly  
1 5 10 15

Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
20 25

<210> 26

<211> 27

<212> PRT

<213> Homo sapiens

<400> 26

Arg Asn Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys  
1 5 10 15

Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
20 25

<210> 27

<211> 28

<212> PRT

<213> Homo sapiens

<400> 27

Glu Arg Asn Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly  
1 5 10 15

Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
20 25

<210> 28

<211> 29

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<213> Homo sapiens

<400> 28

Arg Glu Arg Asn Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg  
1 5 10 15

Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
20 25

<210> 29

<211> 30

<212> PRT

<213> Homo sapiens

<400> 29

Arg Arg Glu Arg Asn Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser  
1 5 10 15

Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
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<210> 30

<211> 31

<212> PRT

<213> Homo sapiens

&lt;400&gt; 30

Pro Arg Arg Glu Arg Asn Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn  
 1 5 10 15

Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
 20 25 30

&lt;210&gt; 31

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 31

Leu Pro Arg Arg Glu Arg Asn Arg Gln Ala Ala Ala Ala Asn Pro Glu  
 1 5 10 15

Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly  
 20 25 30

&lt;210&gt; 32

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 32

Val Leu Pro Arg Arg Glu Arg Asn Arg Gln Ala Ala Ala Ala Asn Pro  
 1 5 10 15

Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg  
 20 25 30

Gly

&lt;210&gt; 33

&lt;211&gt; 34

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 33

Ala Val Leu Pro Arg Arg Glu Arg Asn Arg Gln Ala Ala Ala Ala Asn  
 1 5 10 15

Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn  
 20 25 30

Arg Gly

&lt;210&gt; 34

&lt;211&gt; 35

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 34

Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg Gln Ala Ala Ala Ala  
 1 5 10 15

Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys  
 20 25 30

Asn Arg Gly  
 35

&lt;210&gt; 35

&lt;211&gt; 36

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 35

Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg Gln Ala Ala Ala  
 1 5 10 15

Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly  
 20 25 30

Lys Asn Arg Gly  
 35

&lt;210&gt; 36

&lt;211&gt; 37

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 36

Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg Gln Ala Ala  
1 5 10 15

Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg  
20 25 30

Gly Lys Asn Arg Gly  
35

&lt;210&gt; 37

&lt;211&gt; 38

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 37

Asp Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg Gln Ala  
1 5 10 15

Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln  
20 25 30

Arg Gly Lys Asn Arg Gly  
35

&lt;210&gt; 38

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 38

Pro Asp Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg Gln  
1 5 10 15

Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly  
20 25 30

Gln Arg Gly Lys Asn Arg Gly  
35

<210> 39

<211> 417

<212> DNA

<213> Homo sapiens

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cgcggttgcg ttctgaccgc tatccacctg aacgttaccg acctgggtct cggttacgaa	180
accaaagaag aattaatctt ccgttactgc tccggttctt gcgacgctgc tgaaaccacg	240
tacgacaaaa tcttgaaaaa cctgtcccgt aaccgtcgtc tggtttccga caaagttggt	300
caagcttgct gccgtccgat cgctttcgac gacgacctgt ccttcctgga cgacaacctg	360
gtttaccaca tcttgcgtaa acactccgct aagcgttgcg gttgcatcta aggatcc	417

<210> 40

<211> 417

<212> DNA

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<400> 40

catatgagcc cggacaaaca gatggcagta cttccacgtc gtgaacgtaa tcgccaggca	60
gcagctgcaa acccggaaaa ctcccggtgg aaaggtcgcc gtggccagcg cggcaaaaac	120
cgtgggttggt ttctgactgc aatccacctg aacgttactg acctgggtct gggctacgaa	180
accaaagaag aactgatctt ccgctactgc agcggctctt gcgacgcagc tgaaaccact	240
tacgacaaaa tcttgaaaaa cctgtcccgt aaccgccgtc tggtaagcga caaagtaggt	300
caggcatgct gccgtccgat cgcatctgac gatgacctga gcttcctgga tgacaacctg	360
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<211> 345

<212> DNA

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<220>

<221> CDS

<222> (1) .. (342)

<223>

<400> 41  
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 1 5 10 15  
 aat aac cgc ggt tgc gtt ctg acc gct atc cac ctg aac gtt acc gac 96  
 Asn Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu Asn Val Thr Asp  
 20 25 30  
 ctg ggt ctc ggt tac gaa acc aaa gaa gaa tta atc ttc cgt tac tgc 144  
 Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile Phe Arg Tyr Cys  
 35 40 45  
 tcc ggt tcc tgc gac gct gct gaa acc acg tac gac aaa atc ctg aaa 192  
 Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp Lys Ile Leu Lys  
 50 55 60  
 aac ctg tcc cgt aac cgt cgt ctg gtt tcc gac aaa gtt ggt caa gct 240  
 Asn Leu Ser Arg Asn Arg Arg Leu Val Ser Asp Lys Val Gly Gln Ala  
 65 70 75 80  
 tgc tgc cgt ccg atc gct ttc gac gac gac ctg tcc ttc ctg gac gac 288  
 Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser Phe Leu Asp Asp  
 85 90 95  
 aac ctg gtt tac cac atc ctg cgt aaa cac tcc gct aag cgt tgc ggt 336  
 Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala Lys Arg Cys Gly  
 100 105 110  
 tgc atc taa 345  
 Cys Ile

<210> 42

<211> 114

<212> PRT

<213> Homo sapiens

<400> 42

Met Ser Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly  
 1 5 10 15

Asn Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu Asn Val Thr Asp  
20 25 30

Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile Phe Arg Tyr Cys  
35 40 45

Ser Gly Ser Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp Lys Ile Leu Lys  
50 55 60

Asn Leu Ser Arg Asn Arg Arg Leu Val Ser Asp Lys Val Gly Gln Ala  
65 70 75 80

Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser Phe Leu Asp Asp  
85 90 95

Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala Lys Arg Cys Gly  
100 105 110

Cys Ile

<210> 43

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)..(312)

<223>

<400> 43

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Met Arg Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile  
1 5 10 15

cac ctg aac gtt act gac ctg ggt ctg ggc tac gaa acc aaa gaa gaa 96  
His Leu Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu  
20 25 30

ctg atc ttc cgc tac tgc agc ggc tct tgc gac gca gct gaa acc act 144  
Leu Ile Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr  
35 40 45

tac gac aaa atc ctg aaa aac ctg tcc cgt aac cgc cgt ctg gta agc 192  
Tyr Asp Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Ser  
50 55 60



gac aaa gta ggt cag gca tgc tgc cgt ccg atc gca ttc gac gat gac 240  
 Asp Lys Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp  
 65 70 75 80

ctg agc ttc ctg gat gac aac ctg gtt tac cac atc ctg cgt aaa cac 288  
 Leu Ser Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His  
 85 90 95

tcc gct aaa cgc tgc ggt tgc atc taa 315  
 Ser Ala Lys Arg Cys Gly Cys Ile  
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<210> 44

<211> 104

<212> PRT

<213> Homo sapiens

<400> 44

Met Arg Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile  
 1 5 10 15

His Leu Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu  
 20 25 30

Leu Ile Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr  
 35 40 45

Tyr Asp Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Ser  
 50 55 60

Asp Lys Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp  
 65 70 75 80

Leu Ser Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His  
 85 90 95

Ser Ala Lys Arg Cys Gly Cys Ile  
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<210> 45

<211> 312

<212> DNA

<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(309)

&lt;223&gt;

&lt;400&gt; 45

atg ggt caa cgt ggt aaa aac cgt ggt tgt gtt ctg act gca atc cac	48
Met Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His	
1 5 10 15	
ctg aac gtt act gac ctg ggt ctg ggc tac gaa acc aaa gaa gaa ctg	96
Leu Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu	
20 25 30	
atc ttc cgc tac tgc agc ggc tct tgc gac gca gct gaa acc act tac	144
Ile Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr	
35 40 45	
gac aaa atc ctg aaa aac ctg tcc cgt aac cgc cgt ctg gta agc gac	192
Asp Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Ser Asp	
50 55 60	
aaa gta ggt cag gca tgc tgc cgt ccg atc gca ttc gac gat gac ctg	240
Lys Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu	
65 70 75 80	
agc ttc ctg gat gac aac ctg gtt tac cac atc ctg cgt aaa cac tcc	288
Ser Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser	
85 90 95	
gct aaa cgc tgc ggt tgc atc taa	312
Ala Lys Arg Cys Gly Cys Ile	
100	

&lt;210&gt; 46

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 46

Met Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His
1 5 10 15
Leu Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu
20 25 30
Ile Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr
35 40 45

Asp Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Ser Asp  
 50 55 60

Lys Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu  
 65 70 75 80

Ser Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser  
 85 90 95

Ala Lys Arg Cys Gly Cys Ile  
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<210> 47

<211> 135

<212> PRT

<213> Homo sapiens

<400> 47

Met Ser Pro Asp Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn  
 1 5 10 15

Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg  
 20 25 30

Arg Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His  
 35 40 45

Leu Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu  
 50 55 60

Ile Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr  
 65 70 75 80

Asp Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Ser Asp  
 85 90 95

Lys Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu  
 100 105 110

Ser Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser  
 115 120 125

Ala Lys Arg Cys Gly Cys Ile  
 130 135

&lt;210&gt; 48

&lt;211&gt; 104

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 48

Met Arg Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile  
1 5 10 15

His Leu Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu  
20 25 30

Leu Ile Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr  
35 40 45

Tyr Asp Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Ser  
50 55 60

Asp Lys Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp  
65 70 75 80

Leu Ser Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His  
85 90 95

Ser Ala Lys Arg Cys Gly Cys Ile  
100

&lt;210&gt; 49

&lt;211&gt; 103

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 49

Met Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His  
1 5 10 15

Leu Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu  
20 25 30

Ile Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr  
35 40 45

Asp Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Ser Asp  
 50 55 60

Lys Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu  
 65 70 75 80

Ser Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser  
 85 90 95

Ala Lys Arg Cys Gly Cys Ile  
 100

<210> 50

<211> 114

<212> PRT

<213> Homo sapiens

<400> 50

Met Ser Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly  
 1 5 10 15

Asn Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu Asn Val Thr Asp  
 20 25 30

Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile Phe Arg Tyr Cys  
 35 40 45

Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp Lys Ile Leu Lys  
 50 55 60

Asn Leu Ser Arg Asn Arg Arg Leu Val Ser Asp Lys Val Gly Gln Ala  
 65 70 75 80

Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser Phe Leu Asp Asp  
 85 90 95

Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala Lys Arg Cys Gly  
 100 105 110

Cys Ile

<210> 51

<211> 19

A-357C

82

<212> PRT

<213> Homo sapiens

<400> 51

Ser	Pro	Glu	Asn	Ser	Arg	Gly	Lys	Gly	Arg	Arg	Gly	Gln	Arg	Gly	Lys
1				5				10						15	

Asn Arg Gly